



Complete Summary

TITLE

Uncomplicated urinary tract infection in women: percentage of women with uncomplicated urinary tract infection (UTI) treated with recommended short course therapy.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2006 Jul. 21 p. [34 references]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure assesses the percentage of women with uncomplicated urinary tract infection (UTI) treated with recommended short course therapy.

RATIONALE

The priority aim addressed by this measure is to increase the use of short course therapy in women with uncomplicated urinary tract infection (UTI).

PRIMARY CLINICAL COMPONENT

Uncomplicated urinary tract infection (UTI); short course antibiotic therapy (either 3 or 7 days); trimethoprim; trimethoprim-sulfamethoxazole; nitrofurantoin (Macrobid); ciprofloxacin

DENOMINATOR DESCRIPTION

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI) reviewed (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Number of records for adult women with uncomplicated urinary tract infection (UTI) receiving the recommended short course prescription therapy (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age 18 to 65 years

TARGET POPULATION GENDER

Female (only)

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Women ages 18 to 65 with uncomplicated urinary tract infection (UTI)

Medical groups can define the adult women with an encounter for uncomplicated cystitis from their databases, schedules, laboratory log, or whatever method they devise. A random sample of 20 patients seen for this diagnosis during the month can be selected. Each medical record will be reviewed to determine the number of those women receiving the recommended treatment at the initial encounter.

It is suggested that data are collected monthly. When a medical group's reported data have evidenced a performance level above 90% for 7 measurement periods, the medical group may elect to decrease the frequency of data collection. The decrease in frequency can be from 3 monthly samples to 1 sample collected each quarter.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI)* reviewed

*A UTI can be defined by the International Classification of Diseases, Ninth Revision (ICD-9) codes of 595, 595.0, 595.2, 595.3, 595.8, 595.89, 595.9, 599, 599.0.

Exclusions

Unspecified

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition

Encounter

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of records for adult women with uncomplicated urinary tract infection (UTI) receiving the recommended short course prescription therapy*

*The drugs recommended for short course therapy are as follows:

- Trimethoprim-sulfamethoxazole (D.S., 1 twice a day [BID] x 3 days), or
- Trimethoprim (100 mg, 1 BID x 3 days), or
- Nitrofurantoin (Macrobid, 100 mg BID x 7 days), or
- Ciprofloxacin (250 mg BID x 3 days)

Exclusions

Unspecified

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Episode of care

DATA SOURCE

Administrative data
Laboratory data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

The percentage of women with uncomplicated UTI treated with recommended short course therapy.

MEASURE COLLECTION

[Uncomplicated Urinary Tract Infection in Women Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2002 Nov

REVISION DATE

2006 Jul

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 July. 21 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2006 Jul. 21 p. [34 references]

MEASURE AVAILABILITY

The individual measure, "The percentage of women with uncomplicated UTI treated with recommended short course therapy," is published in "Health Care Guideline: Uncomplicated Urinary Tract Infection in Women." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org.

NQMC STATUS

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